

DEPARTMENT OF THE ARMY
Omaha District, Corps of Engineers
106 South 15th Street
Omaha, Nebraska 68102-1618

:NOTICE: Failure to acknowledge : Solicitation No. DACA45 02 R 0033
:all amendments may cause rejec- :
:tion of the offer. See FAR : Date of Issue: 25 JUN 2002
:52.215-1 of Section 00100 : Date of Receiving Proposals:
08 AUG 2002

Amendment No. 0002
19 July 2002

SUBJECT: Amendment No. 0002 to specification and drawings for Construction of
CONSTRUCT HYDRANT FUEL SYSTEM, PDC NO. QJVF 95-2002P1, MINOT AFB,
NORTH DAKOTA.
Solicitation No. DACA45 02 R 0033.

TO: Prospective Offerors and Others Concerned

1. The specifications and drawings for subject project are hereby modified
as follows (revise all specification indices, attachment lists, and drawing
indices accordingly).

a. Specifications. (Descriptive Changes.)

(1) Section 00800, Page 8, paragraph 1.14, delete "Item No. 2"
and substitute "Item Nos. 2 and 3" (3 locations).

(2) Section 01330, Submittal Register Attachment to Section, add
the attached submittal register shown for Section 02115A.

b. Specifications (New and/or Revised and Reissued). Delete and
substitute or add specification pages as noted below. The substituted pages are
revised and reissued with this amendment.

Pages Deleted

Pricing Schedule (00010-3)

Pages Substituted or Added

Pricing Schedule (00010-3)
Section 02115A

c. Drawings (Not Reissued). The following drawings are revised as
indicated below with latest revision date of 19 July 2002. These drawings are
not reissued with this amendment.

(1) Dwg. AF 125-20-01, Sheet ED.03, STATIC GROUND RECEPTACLE
ASSEMBLY detail, note below detail heading reading "SEE SHEETS
MD.07 & MD.08 FOR LOCATIONS OF THIS ASSEMBLY", delete "MD.07 &
MD.08" and substitute "MD.02 & MD.03".

(2) Dwg. AF 125-90-01, Sheet S1.01, FOUNDATION AND SLAB PLAN,
left side of plan, "Section 2" identifiers, delete the upper
"Section 2" identifier (closest to top of sheet).

(3) Dwg. AF 125-30-01, Sheet S4.03.

(a) Sheet title block, delete sheet reference number "S4.03" and substitute "S4.02".

(b) SECTIONS 1, 2, & 3, sheet number where section is shown, delete "S1.01" and substitute "S4.02" (3 locations).

2. This amendment is a part of the proposing papers and its receipt shall be acknowledged on the Standard Form 1442. All other conditions and requirements of the request for proposal remain unchanged. If the proposals have been mailed prior to receiving this amendment, you will notify the office where proposals are received, in the specified manner, immediately of its receipt and of any changes in your proposal occasioned thereby.

a. Hand-Carried Proposals shall be delivered to the U.S. Army Corps of Engineers, Omaha District, Contracting Division (Room 301), 106 South 15th Street, Omaha, Nebraska 68102-1618.

b. Mailed Proposals shall be addressed as noted in Item 8 on Page 00010-1 of Standard Form 1442.

3. Offers will be received until 2:00 p.m., local time at place of receiving proposals, 08 AUG 2002.

Attachments:

Submittal Register for Section 02115A
Spec Pages listed in 1.b. above

U.S. Army Engineer District, Omaha
Corps of Engineers
106 South 15th Street
Omaha, Nebraska 68102-1618

19 July 2002
DRL/4547

CONTRACT NO.

CONTRACTOR

[illegible]

PRICING SCHEDULE

<u>Item No.</u>	<u>Description of Item</u>	<u>Estimated Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Amount</u>
1.	All Work Complete for Construct Hydrant Fueling System, Excluding Item 2	1	JOB	L.S.	\$ _____
2.	Remove Contaminated Soil Including Composite Testing for TPH (8015B) & VO (8260B)				
2a.	First 10 Cubic Yards	10	CY	\$ _____	\$ _____
2b.	Over 10 Cubic Yards	50	CY	\$ _____	\$ _____
3	Remove Sludge from 50,000 gallon Fuel Storage Tanks				
3a.	First two (2) Fifty Five Gallon Drums	2	Drum	\$ _____	\$ _____
3b.	Over two (2) Fifty Five Gallon Drums	2	Drum	\$ _____	\$ _____
TOTAL AMOUNT					\$ _____

NOTES:

1. All quantities are estimated except where unit is given as "job."
2. Quantities for unit priced items are estimated only and the respective unit price will prevail in the event of an overrun or underrun subject to Contract Clause "Variation in Estimated Quantities." Items 2a, 2b, 3a and 3b are subject to "Variation in Estimated Quantities for Sub-Divided Items" of Section 00800. For Item No. 3, See Section 02115A UNDERGROUND STORAGE TANK CLEANING for additional requirements.
3. Bid prices must be entered for all items of the schedule. Additions and multiplications will be subject to verification by the Government. In case of variation between the lump-sum prices and the total amount, the lump-sum prices will be considered the amount proposed. In case of variation between the unit prices and the extensions, the unit prices will be considered the proposed unit price.

SECTION TABLE OF CONTENTS

DIVISION 02 - SITE WORK

SECTION 02115A

UNDERGROUND STORAGE TANK CLEANING

02/02

PART 1 GENERAL

- 1.1 REFERENCES
- 1.2 MEASUREMENT AND PAYMENT
- 1.3 SUBMITTALS
- 1.4 QUALIFICATIONS
 - 1.4.1 Laboratory Services
 - 1.4.2 Support Staff
- 1.5 REGULATORY REQUIREMENTS
 - 1.5.1 Permits and Licenses
 - 1.5.2 Statutes and Regulations
- 1.6 PROJECT/SITE CONDITIONS
 - 1.6.1 Sequencing and Scheduling
 - 1.6.2 Work Plan

PART 2 PRODUCTS (Not Used)

PART 3 EXECUTION

- 3.1 GENERAL REQUIREMENTS
 - 3.1.1 Safety Guidelines
 - 3.1.2 Burning and Explosives
 - 3.1.3 Protection of Existing Structures and Utilities
- 3.2 TANK CONTENTS VERIFICATION
 - 3.2.1 Sampling and Analysis
 - 3.2.2 Analytical Methods
 - 3.2.3 Characterization
- 3.3 NOT USED
- 3.4 NOT USED
- 3.5 PREPARATIONS FOR TANK CLEANING
 - 3.5.1 Removal of Product, Pumpable Liquids, and Sludge
 - 3.5.2 Disposal of Water from Tank Washing
 - 3.5.2.1 Not Used
 - 3.5.2.2 Treatment
- 3.6 NOT USED
- 3.7 NOT USED
- 3.8 NOT USED
- 3.9 TANK CLEANING
 - 3.9.1 Not Used
 - 3.9.2 Not Used
 - 3.9.3 Interior
- 3.10 NOT USED
- 3.11 NOT USED
- 3.12 DISPOSAL REQUIREMENTS
 - 3.12.1 Treatment, Disposal, and Recycling

Construct Hydrant Fuel System, Minot AFB, North Dakota

- 3.12.2 Not Used
- 3.12.3 Transportation of Wastes
- 3.12.4 Salvage Rights
- 3.12.5 Records
- 3.12.6 Hazardous/Special Waste Manifests
- 3.12.7 Documentation of Treatment or Disposal
- 3.13 SPILLS

-- End of Section Table of Contents --

SECTION 02115A

UNDERGROUND STORAGE TANK CLEANING
02/02

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this section to the extent referenced. The publications are referenced in the text by basic designation only.

AMERICAN PETROLEUM INSTITUTE (API)

API Pub 2217A	(1997) Guidelines for Work in Inert Confined Spaces in the Petroleum Industry
API Pub 2219	(1999) Safe Operation of Vacuum Trucks in Petroleum Service, 2nd Edition
API RP 1604	(1996) Closure of Underground Petroleum Storage Tanks
API RP 2003	(1998) Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents
API Std 2015	(1994) Safe Entry and Cleaning of Petroleum Storage Tanks

U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA)

40 CFR 261	Identification and Listing of Hazardous Waste
40 CFR 262	Standards Applicable to Generators of Hazardous Waste
40 CFR 264	Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities
40 CFR 265	Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities
40 CFR 266	Standards for the Management of Specific Hazardous Wastes and Specific Types of Hazardous Waste Management Facilities
40 CFR 268	Land Disposal Restrictions
40 CFR 279	Standards for the Management of Used Oil
40 CFR 280	Technical Standards and Corrective Action

Requirements for Owners and Operators of
Underground Storage Tanks (UST)

1.2 MEASUREMENT AND PAYMENT

Sludge shall be paid for as a unit cost. This unit cost includes testing, removal, transportation, and disposal. Any remaining fuel can be salvaged or disposed of by the Contractor. After treatment, all water from cleaning tanks shall be disposed of down the sanitary sewer. Note that paragraph 3.9.3 specifies a minimal amount of water to be used for cleaning.

1.3 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES:

SD-03 Product Data

Work Plan; G-RE

The Work Plan within 30 days after notice to proceed. The Contractor shall allow 10 days in the schedule for the Government's review and approval. No adjustment for time or money will be made for resubmittals required as a result of noncompliance.

Qualifications;

A document indicating that the Contractor meets the specified requirements.

Salvage Rights;

A record of the disposition of salvaged materials at the end of the contract.

SD-06 Test Reports

Tank Contents Verification.
Contaminated Water Disposal.

Chain-of-custody records.

Copies of all laboratory and field test reports.

1.4 QUALIFICATIONS

The Contractor shall have a minimum of 2 years of tank removal experience and shall be certified by the State of North Dakota for tank removal work.

1.4.1 Laboratory Services

For laboratory services the Contractor shall be validated in accordance with state certification requirements.

Construct Hydrant Fuel System, Minot AFB, North Dakota

1.4.2 Support Staff

The Contractor shall identify all staff involved for the various components, including personnel collecting and shipping samples. The qualifications of these staff members shall be detailed by the Contractor.

1.5 REGULATORY REQUIREMENTS

1.5.1 Permits and Licenses

The Contractor, as required or as directed by the Contracting Officer, shall obtain local, state, or federal permits and licenses that directly impact the Contractor's ability to perform the work prior to commencing removal operations.

1.5.2 Statutes and Regulations

Tank closures shall be carried out in accordance with 40 CFR 280, 40 CFR 262, 40 CFR 264, and 40 CFR 265 as well as the applicable local and State of North Dakota regulations. Hazardous waste is not anticipated.

1.6 PROJECT/SITE CONDITIONS

The work shall consist of cleaning of the interiors and disposal of contents of 8 (eight) 50,000 gallon tanks at each of 3 (three) pump-houses. The tanks are constructed of steel and are at the following location: between the apron and taxiway, numbered 1076, 1072, and 1074. The 50,000 gallon tanks were used for storing jet fuel. Residue remaining in the tank is considered a special waste.

1.6.1 Sequencing and Scheduling

The Contractor shall notify the Contracting Officer 30 days prior to tank cleaning. The Contractor shall be responsible for contacting the Implementation Agency (IA) in accordance with the applicable reporting requirements.

1.6.2 Work Plan

The Contractor shall develop, implement, maintain, and supervise as part of the work, a comprehensive plan for tank cleaning and related operations. The Work Plan shall be based on work experience, on the requirements of this specification, and on the following references:

- a. API RP 1604.
- b. API Std 2015.
- c. API RP 2003.
- d. API Pub 2217A.
- e. API Pub 2219.

No work at the site, with the exception of site inspections and mobilization, shall be performed until the Work Plan is approved. At a minimum, the Work Plan shall include:

Construct Hydrant Fuel System, Minot AFB, North Dakota

- a. Discussion of removal of the tank contents, and cleaning of the interior of the tanks and disposal of waste streams.
- b. A Sampling and Analysis Plan prepared in accordance with Section 01450A CHEMICAL DATA QUALITY CONTROL.
- c. Methods to be employed for product, sludge, vapor, and pumpable liquid removal; purging and inerting; and storage methods proposed for control of surface water.
- d. Treatment options.
- e. Identification of waste, transporters and means of transportation.
- f. Treatment, disposal, and alternate facilities, and means of treatment, disposal or remediation.
- g. Not used.
- h. Spill prevention plan.
- i. Spill contingency plan.
- j. Decontamination procedures, and safety measures in accordance with Section 01351A SAFETY, HEALTH, AND EMERGENCY RESPONSE (HTRW/UST).

PART 2 PRODUCTS (Not Used)

PART 3 EXECUTION

3.1 GENERAL REQUIREMENTS

3.1.1 Safety Guidelines

Personnel shall abide by the safety guidelines specified in Section 01351A SAFETY, HEALTH, AND EMERGENCY RESPONSE (HTRW/UST).

3.1.2 Burning and Explosives

Use of explosives or burning debris will not be allowed.

3.1.3 Protection of Existing Structures and Utilities

The Contractor shall take all necessary precautions to avoid damage to existing structures, their appurtenances, monitoring wells, or utilities that may be affected by work activities. Any damage to utilities or monitoring wells resulting from the Contractor's operations shall be repaired at no expense to the Government. The Contractor shall coordinate with the installation to locate underground utilities prior to beginning construction. Utilities encountered which were not previously shown or otherwise located shall not be disturbed without approval from the Contracting Officer.

3.2 TANK CONTENTS VERIFICATION

Sampling and analysis shall be conducted in accordance with the approved Sampling and Analysis Plan and Section 01450A CHEMICAL DATA QUALITY CONTROL.

3.2.1 Sampling and Analysis

Sludge shall be sampled by the Contractor. If the data is not adequate for disposal purposes, additional sampling and analysis to the extent required by the approved permitted treatment, storage or disposal (TSD) facility receiving the material shall be the responsibility of the Contractor. Meeting all regulatory requirements, including the preparation of hazardous materials and waste for transportation shall be the responsibility of the Contractor.

3.2.2 Analytical Methods

Tank sludge shall be tested by the Contractor for the parameters listed herein. Analyses shall include TCLP metals and Flash Point. If the metals in the sludge exceed TCLP levels and/or the Flashpoint is less than 140 degrees Fahrenheit, it should be considered hazardous waste. Any remaining jet fuel can be recycled without analysis. Wash water from cleaning the tanks shall be treated in a oil/water separator, prior to disposal down the sanitary sewer without prior testing.

3.2.3 Characterization

Prior to removing any of the tank contents, the contents shall be characterized to determine if the tank contents must be disposed of as special waste based on local, state, and Federal disposal regulations. Tank product, pumpable liquids, and sludge shall be characterized in accordance with 40 CFR 261 and 40 CFR 279. The waste contents determination and accompanying test results for each phase present in the tank shall be submitted to the Contracting Officer. The Contractor shall be responsible for any additional requirements identified by the disposal facility. The tank contents shall not be removed until approval is given by the Contracting Officer.

3.3 NOT USED

3.4 NOT USED

3.5 PREPARATIONS FOR TANK CLEANING

3.5.1 Removal of Product, Pumpable Liquids, and Sludge

Tank product, pumpable liquids, and sludge shall be contained, and stored off-site, prior to disposal. Water from washing tank interiors shall be treated as specified. Tank product, pumpable liquids, and sludge shall be analyzed and segregated to recover reusable products by the Contractor prior to being transported to the designated location. Tank product, pumpable liquids, and sludge shall be removed and disposed of by the Contractor. No Government facilities shall be used for permanent storage or disposal of the wastes with the exception of DRMO storage. Temporary storage on Government facilities will be allowed only until testing is complete, manifests (if necessary) are complete, and transportation is arranged. The Contractor shall be responsible for obtaining all required permits. The Contractor shall provide approved containers, vehicles, equipment, labor, signs, labels, placards and manifests and associated land disposal restriction notices and notifications, necessary for accomplishment of the work, including materials necessary for cleaning up spills that could occur from tank removal operations.

3.5.2 Disposal of Water from Tank Washing

Construct Hydrant Fuel System, Minot AFB, North Dakota

3.5.2.1 Not Used

3.5.2.2 Treatment

Wash water, which is water from cleaning the interior of the tanks, shall be treated off-site by oil water separation and disposal in the sanitary sewer as approved by the Contracting Officer. If wash water is to be treated onsite, the proposed treatment shall be specified in the Work Plan and submitted for approval. Temporary storage and treatment equipment shall be installed at a location approved by the Contracting Officer.

3.6 NOT USED

3.7 NOT USED

3.8 NOT USED

3.9 TANK CLEANING

3.9.1 Not Used

3.9.2 Not Used

3.9.3 Interior

The tank interior shall be cleaned using a high pressure (greater than 500 psi), low volume (less than 2 gpm) water spray or steam cleaned until all loose scale and sludge is removed, and contamination, in the form of a sheen, is no longer visible in the effluent stream. The interior surfaces of piping shall also be cleaned, to the extent possible, using the same method used for cleaning the tank. Contaminated water generated from interior cleaning operations (of both piping and tank) shall not exceed the following quantities for each UST cleaned:

UST VOLUME (GALLONS)	PERCENT OF UST VOLUME
1,000 or less	5
10,000 or less	5 or 100 gal., whichever is less
20,000 or less	1 or 150 gal., whichever is less
greater than 20,000	1 or 250 gal., whichever is less

All water resulting from cleaning operations shall be discharged to the installation sanitary sewer after passing through an oil water separator. Cleaning shall be accomplished eliminating, to the greatest extent possible, the need for personnel to enter the tank. Cleaning shall be done using specially designed tank cleaning equipment which allows the tank to be cleaned without requiring personnel to enter the tank. This work shall be accomplished in accordance with Section 01351A SAFETY, HEALTH, AND EMERGENCY RESPONSE (HTRW/UST).

3.10 NOT USED

3.11 NOT USED

3.12 DISPOSAL REQUIREMENTS

3.12.1 Treatment, Disposal, and Recycling

Disposal of hazardous or special wastes shall be in accordance with all local, State, and Federal solid and hazardous waste laws and regulations; the RCRA; and conditions specified herein. This work shall include all

Construct Hydrant Fuel System, Minot AFB, North Dakota

necessary personnel, labor, transportation, packaging, detailed analyses (if required for disposal, manifesting or completing waste profile sheets), equipment, and reports. Product and pumpable liquids removed from the tank shall be recycled to the greatest extent practicable.

3.12.2 Not Used

3.12.3 Transportation of Wastes

Transportation shall be provided in accordance with Department of Transportation (DOT) Hazardous Material Regulations and State and local requirements, including obtaining all necessary permits, licenses, and approvals. Evidence that a State licensed waste transporter is being used shall be included in the SUBMITTALS.

3.12.4 Salvage Rights

The Contractor shall retain the rights to salvage value of recycled or reclaimed product and metal not turned in to the DRMO or otherwise identified, so long as the requirements of 40 CFR 266 and 40 CFR 279, or the applicable State requirements are met. At the end of the contract, the Contractor shall provide documentation on the disposition of salvaged materials.

3.12.5 Records

Records shall be maintained of all waste determinations, including appropriate results of analyses performed, substances and sample location, the time of collection, and other pertinent data as required by 40 CFR 280, Section 74 and 40 CFR 262 Subpart D, and Section 01450A CHEMICAL DATA QUALITY CONTROL. Transportation, treatment, disposal methods and dates, the quantities of waste, the names and addresses of each transporter and the disposal or reclamation facility, shall also be recorded and available for inspection, as well as copies of the following documents:

- a. Manifests.
- b. Waste analyses or waste profile sheets.
- c. Certifications of final treatment/disposal signed by the responsible disposal facility official.
- d. Land disposal notification records required under 40 CFR 268 for hazardous wastes.

Following contract close out, the records shall become the property of the Government.

3.12.6 Hazardous/Special Waste Manifests

Manifesting shall conform to RCRA requirements.

3.12.7 Documentation of Treatment or Disposal

The wastes, other than recyclable or reclaimable product or metal, shall be taken to a treatment, storage, or disposal facility which has EPA or appropriate state permits and or special waste identification numbers and complies with the provisions of the disposal regulations. Documentation of acceptance of special waste by the original return copy of the hazardous

waste manifest, signed by the owner or operator of a facility legally permitted to treat or dispose of those materials shall be furnished to the Contracting Officer not later than 5 working days following the delivery of those materials to the facility; and a copy shall be included in the Tank Closure Report. A statement of agreement from the proposed treatment, storage or disposal facility and certified transporters to accept special wastes shall be furnished to the Contracting Officer not less than 14 days before transporting any wastes. If the Contractor selects a different facility than is identified in the Work Plan, documentation shall be provided for approval to certify that the facility is authorized and meets the standards specified in 40 CFR 264.

3.13 SPILLS

Immediate containment actions shall be taken as necessary to minimize effect of any spill or leak. Cleanup shall be in accordance with applicable Federal, State, local laws and regulations, and district policy at no additional cost to the Government.

-- End of Section --